

Name: \_\_\_\_\_

## ET\_1021 version 17

Consider the *L*-system (and angle) defined below:

- Start: A

- Rules:

$$A > -B+B+B+B+B+B$$

$$B > BB[-CCA]$$

$$C > CC$$

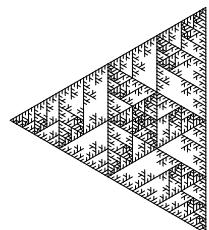
- Number of recursions (number of iterations): 5

- Angle:  $60^\circ$

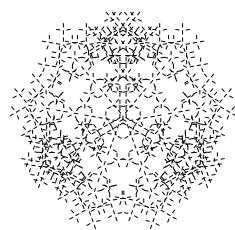
Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>

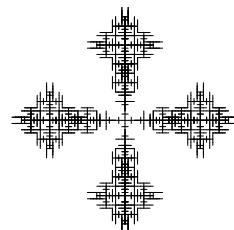
A



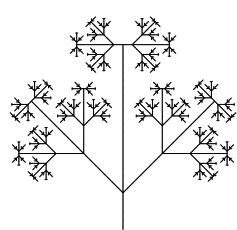
B



C



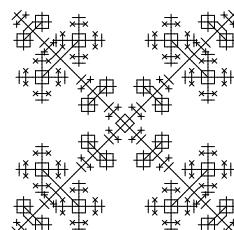
D



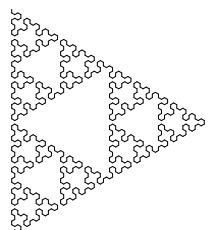
E



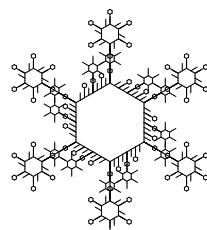
F



G



H



I



Which pattern is created?

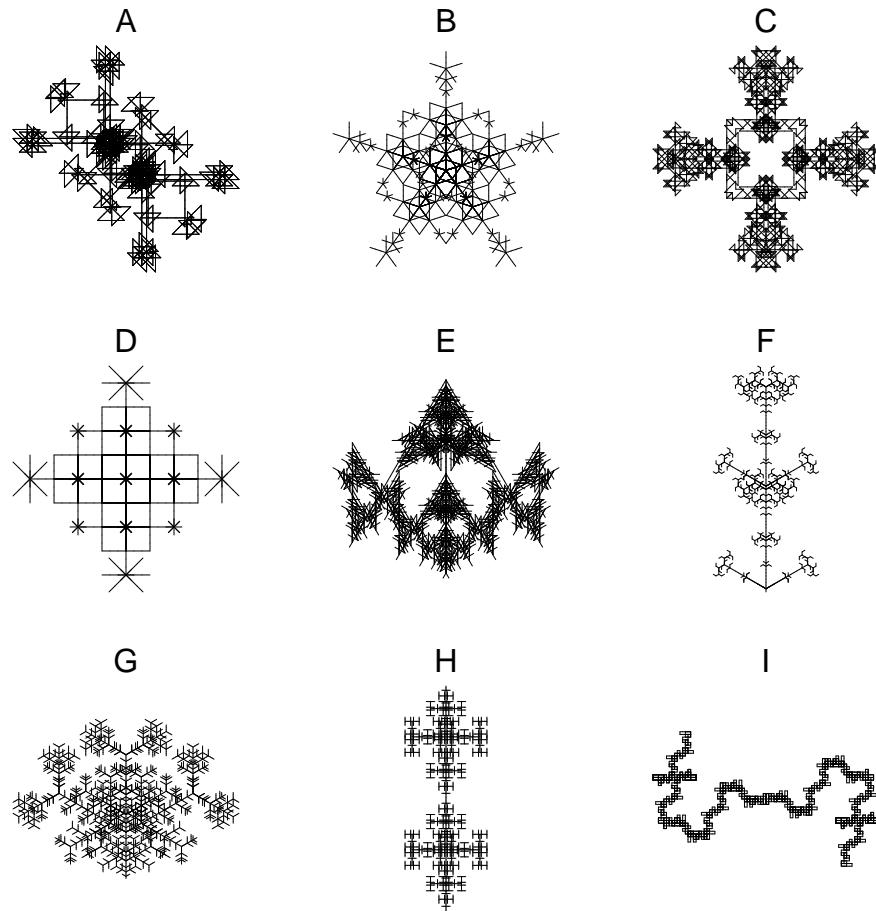
H

Consider the *L*-system (and angle) defined below:

- Start: AA
- Rules:
  - A > ABA
  - B > C[-BAB] [+BAB]
  - C > CC
- Number of recursions (number of iterations): 5
- Angle: 90°

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

H